Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-2 (Canceled)

3 (Currently Amended): A method of designing a redox flow battery system comprising the steps of:

determining ~~an average value of output distribution of the redox flow battery for smoothing the output~~ a difference between an output of power generation of generating equipment that varies irregularly in output of power generation, and a ~~standard deviation, and~~ desired target output obtained by smoothing the output of power generation,

determining an average value and a standard deviation of a distribution of the output difference,

determining at least one of a specified output of the redox flow battery, number of the batteries, a specified output of [[the]] a DC/AC converter for converting the battery output, and number of the DC/AC converters for converting the battery output, based on the average value and the standard deviation.

4 (Original): The method of designing a redox flow battery system according to Claim 3, wherein the specified output of the DC/AC converter is set to be in the range of not less than 1 time to not more than 4 times of the standard deviation.

5 (Original): The method of designing a redox flow battery system according to Claim 3, wherein the specified output of the battery is set to be in the range of not less than 0.7 time to not more than 2 times of the standard deviation.